EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L2	594	(density-gradient or (density near4 gradient)) with (filter or fabric)	US-PGPUB; USPAT; USOCR	OR	ON	2008/12/18 13:51
L3	3352	nonwoven with (fabric or filter) and (air$2laid or (air near2 (lay or laid)))	US-PGPUB; USPAT	OR	ON	2008/12/18 13:51
L4	19	L2 and L3	US-PGPUB; USPAT; USOCR	OR	ON	2008/12/18 13:51
L5	17	L4 and polyester	US-PGPUB; USPAT; USOCR	OR	ON	2008/12/18 13:51
L6	11	L5 and ((metsuke) or (basis near3 weight))	US-PGPUB; USPAT; USOCR	OR	ON	2008/12/18 13:51
L7	3	L6 and ((apparent or bulk) near3 density)	US-PGPUB; USPAT; USOCR	OR	ON	2008/12/18 13:51
L8	6	L5 and ((apparent or bulk) near3 density)	US-PGPUB; USPAT; USOCR	OR	ON	2008/12/18 13:53
L9	21	(nonwoven with (fabric or filter)) same polyester same (apparent near3 density)	US-PGPUB; USPAT	OR	ON	2008/12/18 13:55
L10	2	(nonwoven with (fabric or filter)) same polyester same (apparent near3 density) and engine	US-PGPUB; USPAT	OR	ON	2008/12/18 13:56
L11	9	(nonwoven with (fabric or filter)) same polyester and (apparent near3 density) and engine	US-PGPUB; USPAT	OR	ON	2008/12/18 13:57
L12	38	(nonwoven with (filter)) and (apparent near3 density) and engine	US-PGPUB; USPAT	OR	ON	2008/12/18 13:59
L13	17	(nonwoven with (filter)) and (filter with (apparent near3 density)) and engine	US-PGPUB; USPAT	OR	ON	2008/12/18 14:08

L14	2	(nonwoven with (filter)) and (filter with (apparent near3 density) with low) and engine	US-PGPUB; USPAT	OR	ON	2008/12/18 14:09
L15	3	(filter with (apparent near3 density) with low) and engine	US-PGPUB; USPAT	OR	ON	2008/12/18 14:09
L16	0	(filteration with (apparent near3 density) with low)	US-PGPUB; USPAT	OR	ON	2008/12/18 14:11
L17	0	(filteration same (apparent near3 density) with (high or low))	US-PGPUB; USPAT	OR	ON	2008/12/18 14:11
L18	14	(filtration same (apparent near3 density) with (high or low))	US-PGPUB; USPAT	OR	ON	2008/12/18 14:11
L19	44	(filtration with (apparent near3 density))	US-PGPUB; USPAT	OR	ON	2008/12/18 14:14
L20	1	(filtration with (apparent near3 density)) same polyester	US-PGPUB; USPAT	OR	ON	2008/12/18 14:14
L21	43952	(apparent or bulk) near2 density	US-PGPUB; USPAT	OR	ON	2008/12/18 14:31
L22	47322	(air near2 filter)	US-PGPUB; USPAT	OR	ON	2008/12/18 14:31
L23	10902	"l1" and (g$1cm$1sup $2 or gram or centimeter)	US-PGPUB; USPAT	OR	ON	2008/12/18 14:32
L24	51991	(apparent or bulk) near2 density	US-PGPUB; USPAT; USOCR	OR	ON	2008/12/18 14:32
L25	543	"l24" and (g$1cm$1sup $2 or gram or centimeter)	US-PGPUB; USPAT	OR	ON	2008/12/18 14:32
L26	12	l25 and (nonwoven or non$1woven$1)	US-PGPUB; USPAT	OR	ON	2008/12/18 14:33
L27	12	l25 and (nonwoven or non$1woven$1)	US-PGPUB; USPAT; USOCR	OR	ON	2008/12/18 14:33
L28	654	"l24" and (g$1cm$1sup $2 or gram or centimeter)	US-PGPUB; USPAT; USOCR	OR	ON	2008/12/18 14:34
L29	4131	l24 and (nonwoven or non$1woven$1)	US-PGPUB; USPAT; USOCR	OR	ON	2008/12/18 14:34
L30	12	l28 and (nonwoven or non$1woven$1)	US-PGPUB; USPAT; USOCR	OR	ON	2008/12/18 14:34

L31	17	I28 and exhaust	US-PGPUB; USPAT; USOCR	OR	ON	2008/12/18 14:35
L32	18	"I24" and (g$1cm$1sup $2)	US-PGPUB; USPAT; USOCR	OR	ON	2008/12/18 14:37
L33	0	"I24" with g$1cm$1sup $2	US-PGPUB; USPAT; USOCR	OR	ON	2008/12/18 14:37
L34	6479	I24 with g$1cm$1sup $2	US-PGPUB; USPAT; USOCR	OR	ON	2008/12/18 14:38
L35	575	I34 and exhaust	US-PGPUB; USPAT; USOCR	OR	ON	2008/12/18 14:39
L36	36	I34 and exhaust and nonwoven	US-PGPUB; USPAT; USOCR	OR	ON	2008/12/18 14:39
L37	286	I34 and (filter and exhaust)	US-PGPUB; USPAT; USOCR	OR	ON	2008/12/18 14:43
L38	339	(I24 with g$1cm$1sup $2) same (filter or filtration)	US-PGPUB; USPAT; USOCR	OR	ON	2008/12/18 14:43
L39	70	(I24 with g$1cm$1sup $2) same (filter or filtration) and exhaust	US-PGPUB; USPAT; USOCR	OR	ON	2008/12/18 14:43
L40	16	(I24 with g$1cm$1sup $2) same (filter or filtration) and exhaust and polyester	US-PGPUB; USPAT; USOCR	OR	ON	2008/12/18 16:22
S1	0	((KAZUMARO) near2 (FUJIWARA)).INV.	USPAT	OR	ON	2008/12/08 16:08
S2	1	((SHIGEMI) near2 (UESAKA)).INV.	US-PGPUB; USPAT	OR	ON	2008/12/08 16:08
S3	2	((SHOJI) near2 (NISHIGAWA)).INV.	USPAT	OR	ON	2008/12/08 16:08
S4	39	((YASUYUKI) near2 (YAMAZAKI)).INV.	US-PGPUB; USPAT	OR	ON	2008/12/08 16:09
S5	1	JP2000061225	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2008/12/08 16:12
S6	4	"2000061225"	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2008/12/08 16:12
S7	2	"2006190220"	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2008/12/08 16:13
S8	5	"2000011225"	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2008/12/08 16:13
S9	2	"2003340220"	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2008/12/08 16:14

S10	14	"6267252"	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2008/12/08 16:14
S11	2	"7163819"	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2008/12/08 16:14
S12	2	"2007163819"	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2008/12/08 16:14
S13	0	"200245484"	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2008/12/08 16:15
S14	4	"2002045484"	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2008/12/08 16:15
S15	0	"1992045484"	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2008/12/08 16:15
S16	3342	nonwoven with (fabric or filter) and (air$2laid or (air near2 (lay or laid))	US-PGPUB; USPAT	OR	ON	2008/12/08 17:23
S17	27093	polyester with binder	US-PGPUB; USPAT	OR	ON	2008/12/08 17:23
S18	1653	nonwoven with (fabric or filter) and ((air $2laid or (air near2 (lay or laid)) same layer$4)	US-PGPUB; USPAT	OR	ON	2008/12/08 17:24
S19	289	S17 and S18	US-PGPUB; USPAT	OR	ON	2008/12/08 17:24
S20	254	S19 and ((basis near3 weight) or (basis-weight))	US-PGPUB; USPAT	OR	ON	2008/12/08 17:25
S21	395	(dry near3 heat near3 shrink$4) or (dry $2heat near3 shrink$4)	US-PGPUB; USPAT	OR	ON	2008/12/08 17:26
S22	1	S20 and S21	US-PGPUB; USPAT	OR	ON	2008/12/08 17:26
S24	150565	(internal near3 combustion near3 engine)	US-PGPUB; USPAT	OR	ON	2008/12/08 17:38
S25	6374	S24 with (filter or filtration)	US-PGPUB; USPAT	OR	ON	2008/12/08 17:38
S26	219	S25 same layer$4	US-PGPUB; USPAT	OR	ON	2008/12/08 17:38
S27	3	S26 same polyester	US-PGPUB; USPAT	OR	ON	2008/12/08 17:39

S28	1116	(210/490).CCLS.	US-PGPUB; USPAT	OR	OFF	2008/12/08 17:44
S29	675	(55/527).CCLS.	US-PGPUB; USPAT	OR	OFF	2008/12/08 17:45
S30	13380	(210/483-508).CCLS.	US-PGPUB; USPAT	OR	OFF	2008/12/08 17:45
S31	4071	(428/221-297.4).CCLS.	US-PGPUB; USPAT	OR	OFF	2008/12/08 17:45
S32	94820	("210").CLAS.	US-PGPUB; USPAT	OR	OFF	2008/12/08 17:46
S33	198548	("428").CLAS.	US-PGPUB; USPAT	OR	OFF	2008/12/08 17:46
S34	30324	("55").CLAS.	US-PGPUB; USPAT	OR	OFF	2008/12/08 17:46
S35	318630	S32 S33 S34	US-PGPUB; USPAT	OR	ON	2008/12/08 17:46
S36	72	("2517753" | "3003643" | "3073735" | "3158532" | "3238056" | "3246767" | "3251475" | "3338992" | "3341394" | "3502763" | "3542615" | "3573158" | "3591010" | "3692618" | "3793678" | "3802817" | "3825194" | "3842007" | "3849241" | "4025438" | "4033881" | "4100324" | "4157967" | "4280970" | "4340563" | "4483771" | "4539113" | "4818464" | "5228994" | "5246772" | "5290449" | "5423789" | "5454946" | "5478470" | "5503745" | "5554287" | "5554288" | "5580459" | "5591335" | "5603830" | "5605748" | "5614095" | "5614096" | "5618622" | "5665235" | "5681469" | "5709735" | "5718827" | "5728634" | "5855784" | "5855788").PN. OR ("6267252").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2008/12/08 17:47

S37	72	("2517753" | "3003643" | "3073735" | "3158532" | "3238056" | "3246767" | "3251475" | "3338992" | "3341394" | "3502763" | "3542615" | "3573158" | "3591010" | "3692618" | "3793678" | "3802817" | "3825194" | "3842007" | "3849241" | "4025438" | "4033881" | "4100324" | "4157967" | "4280970" | "4340563" | "4483771" | "4539113" | "4818464" | "5228994" | "5246772" | "5290449" | "5423789" | "5454946" | "5478470" | "5503745" | "5554287" | "5554288" | "5580459" | "5591335" | "5603830" | "5605748" | "5614095" | "5614096" | "5618622" | "5665235" | "5681469" | "5709735" | "5718827" | "5728634" | "5855784" | "5855788").PN. OR ("6267252").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2008/12/09 08:01
S38	51	S37 and layer	US-PGPUB; USPAT; USOCR	OR	ON	2008/12/09 08:01
S39	16	("20020139744" | "3592767" | "4093437" | "4211661" | "4340563" | "4795559" | "5130134" | "5175042" | "5246772" | "5486411" | "5609947" | "5614095" | "5665235" | "5709735" | "6267252").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2008/12/09 08:04
S40	594	(density-gradient or (density near4 gradient)) with (filter or fabric)	US-PGPUB; USPAT; USOCR	OR	ON	2008/12/09 08:25

S41	3345	nonwoven with (fabric or filter) and (air$2laid or (air near2 (lay or laid))	US-PGPUB; USPAT	OR	ON	2008/12/09 08:25
S42	19	S40 and S41	US-PGPUB; USPAT; USOCR	OR	ON	2008/12/09 08:25
S43	17	S42 and polyester	US-PGPUB; USPAT; USOCR	OR	ON	2008/12/09 08:26
S44	395	(dry near3 heat near3 shrink$4) or (dry $2heat near3 shrink$4)	US-PGPUB; USPAT	OR	ON	2008/12/09 08:26
S45	1	S43 and S44	US-PGPUB; USPAT	OR	ON	2008/12/09 08:26
S46	11	S43 and ((metsuke) or (basis near3 weight))	US-PGPUB; USPAT; USOCR	OR	ON	2008/12/09 08:32
S47	11	S46 and density	US-PGPUB; USPAT; USOCR	OR	ON	2008/12/09 08:32
S48	1	S46 and (apparent near3 density)	US-PGPUB; USPAT; USOCR	OR	ON	2008/12/09 08:32
S49	1	S46 and (apparent near3 density)	US-PGPUB; USPAT; USOCR	OR	ON	2008/12/09 08:32
S50	9	S47 and (fiber near3 diameter)	US-PGPUB; USPAT; USOCR	OR	ON	2008/12/09 08:35
S51	40	(fiber with diameter with gradient) with (filter or fabric)	US-PGPUB; USPAT; USOCR	OR	ON	2008/12/09 08:48
S52	858	(55/486).CCLS.	US-PGPUB; USPAT	OR	OFF	2008/12/09 08:52
S53	220	S52 and (fiber near3 diameter)	US-PGPUB; USPAT	OR	ON	2008/12/09 08:53
S54	41	S52 and (fiber near3 diameter) and (air-laid or (air near3 laid))	US-PGPUB; USPAT	OR	ON	2008/12/09 08:53
S55	51	("4093437").URPN.	USPAT	OR	ON	2008/12/09 11:26
S56	11	("4164400" | "4702940" | "4714647" | "5240484" | "5647881" | "6156086" | "6171369" | "6183536" | "6372004" | "6514325" | "6585794").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2008/12/09 11:38
S57	116	((dry near3 heat near3 shrink$4) or (dry $2heat near3 shrink $4)) same polyester	US-PGPUB; USPAT	OR	ON	2008/12/09 17:18

S58	48	S57 and layer	US-PGPUB; USPAT	OR	ON	2008/12/09 17:18
S59	48	S57 and layer$3	US-PGPUB; USPAT	OR	ON	2008/12/09 17:18
S60	7	S59 and nonwoven	US-PGPUB; USPAT	OR	ON	2008/12/09 17:19
S61	31	S57 and (filter or filtration)	US-PGPUB; USPAT	OR	ON	2008/12/09 17:19
S62	9	S61 and nonwoven	US-PGPUB; USPAT	OR	ON	2008/12/09 17:20
S63	4	S62 and layer	US-PGPUB; USPAT	OR	ON	2008/12/09 17:20
S64	858	(55/486).CCLS.	US-PGPUB; USPAT	OR	OFF	2008/12/10 10:12
S65	6	S64 and (((air near2 laid) or air-laid) same polyester same binder)	US-PGPUB; USPAT	OR	ON	2008/12/10 10:12
S66	10	S64 and (((air near2 laid) or air-laid) with polyester)	US-PGPUB; USPAT	OR	ON	2008/12/10 10:16
S67	30	S64 and (((air near2 laid) or air-laid) same polyester)	US-PGPUB; USPAT	OR	ON	2008/12/10 10:18
S68	246	"4640810"	US-PGPUB; USPAT	OR	ON	2008/12/10 14:10
S69	1	("4640810").PN.	US-PGPUB; USPAT	OR	OFF	2008/12/10 14:10
S70	1	("5772846").PN.	US-PGPUB; USPAT	OR	OFF	2008/12/10 15:07
S71	35	S64 and (water near2 repel$5)	US-PGPUB; USPAT	OR	ON	2008/12/10 16:48
S72	23	S64 and (water near2 repel$5) and polyester	US-PGPUB; USPAT	OR	ON	2008/12/10 16:51
S73	11	S64 and (water near2 repel$5) and polyester same nonwoven	US-PGPUB; USPAT	OR	ON	2008/12/10 16:51

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